



Department of Energy

Richland Operations Office
P.O. Box 550
Richland, Washington 99352

00-RU-0529

Mr. Philip O. Strawbridge
Transition Manager
BNFL, Inc.
2920 George Washington Way
Richland, Washington 99352

Dear Mr. Strawbridge:

CONTRACT NO. DE-AC27-96RL13308 - REGULATORY UNIT (RU) APPROVAL OF
AUTHORIZATION BASIS AMENDMENT REQUEST, ABAR-W375-00-00014, REV. 0, PART
A HAR SIGNIFICANT AND BOUNDING HAZARD EVALUATION & ISAR FUNDAMENTAL
ASPECTS OF DESIGN

- References:
- (1) BNFL letter from A. J. Dobson to D. C. Gibbs, RU, "Contract No. DE-AC06-96RL13308 – W375 – Request to Amend Authorization Basis Regarding New or Changed Significant and Bounding Hazard Evaluations and Fundamental Aspects of Design," CCN 012864, dated April 23, 2000
 - (2) BNFL letter from A. J. Dobson to D. C. Gibbs, RU, "Contract No. DE-AC27-96RL13308 – W375 – Errata to ABAR – W375-00-00014, Part A HAR Significant and Bounding Hazard Evaluation and ISAR Fundamental Aspects of Design Affecting the HAR," CCN 013259, dated May 19, 2000
 - (3) Authorization Basis Management Inspection Report, IR-99-007, dated November 10, 1999
 - (4) DOE letter from D. C. Gibbs, to P. O. Strawbridge, BNFL, "Contract No. DE-AC27-96RL13308 – Regulatory Unit Partial Approval of Authorization Basis Amendment Request, ABAR-W375-00-00014, Rev. 0, Part A Hazard Analysis Report Significant and Bounding Hazard Evaluation & Initial Safety Analysis Report Fundamental Aspects of Design," 00-RU-0455, dated July 6, 2000
 - (5) BNFL letter from A. J. Dobson to D. C. Gibbs, RU, "Contract No. DE-AC27-96RL13308 – W375 – Authorization Basis Amendment Request, ABAR-W375-00-00014, Part A Hazard Analysis Report, Significant and Bounding Hazard Evaluation and Initial Safety Analysis Report Fundamental Aspects of Design," CCN 014790, dated July 26, 2000

This letter approves the Authorization Basis Amendment Request (ABAR) submitted by BNFL Inc. (BNFL) in References 1 and 2. The ABAR revises the River Protection Project Waste

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Treatment Plant (RPP-WTP) authorization basis by updating the significant and bounding hazards and fundamental aspects of design. Reference 3 documents BNFL's failure to maintain the authorization basis current. This ABAR was submitted by BNFL to make the authorization basis current with the technical baseline. Reference 4 approved the portion of the ABAR associated with updating the significant and bounding hazards in the Hazards Analysis Report (HAR) and provides the associated RU safety evaluation report. Reference 4 also disapproved the portion of the ABAR associated with updating the fundamental aspects of design included in the Initial Safety Analysis Report (ISAR).

The ISAR portion of the ABAR proposed a new Appendix A to the ISAR identifying the fundamental aspects of design and requested RU approval of two specific changes to fundamental aspects of design. The RU disapproved this portion of the ABAR because the safety evaluation associated with the proposed change contained insufficient explanation of these changes. In Reference 5, BNFL provided supplemental information to explain these changes.

Based on the supplemental information provided by BNFL, the RU approves the remainder of the ABAR. The RU review and approval of the submittal is documented in the attached safety evaluation. Sections of the ISAR affected by this ABAR should be updated accordingly. As part of the amendment implementation process, ISAR pages affected by this ABAR and the ISAR revision page identifying all revisions to date should be forwarded to the RU.

Nothing in this letter should be construed as changing the Contract (DE-AC27-96RL13308). If you have any questions related to this amendment please contact me or Rob Gilbert of my staff on (509) 376-2310.

Sincerely,

D. Clark Gibbs, Regulatory Official
Office of Safety Regulation
of the RPP-WTP Contractor

REG:RAG

Attachment

cc w/attch:
M. P. DeLozier, CHG
S. Morgan, BNFL